

AFOTEC

**AIR FORCE OPERATIONAL TEST
AND EVALUATION CENTER**





T&E Implementation of JCIDS

3 March 04

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Strategic Planning Guidance



- **“Developing and fielding joint force capabilities requires adequate, realistic test and evaluation in a joint operational context. To do this, the Department will provide new testing capabilities and institutionalize the evaluation of joint system effectiveness as part of new capabilities-based processes.**
 - “D(OT&E) will develop a roadmap for the Deputy Secretary of Defense no later than May 2004 that addresses the changes necessary to ensure that test and evaluation is conducted in a joint environment to enhance fielding of needed joint capabilities.”



Testing in Joint Environment



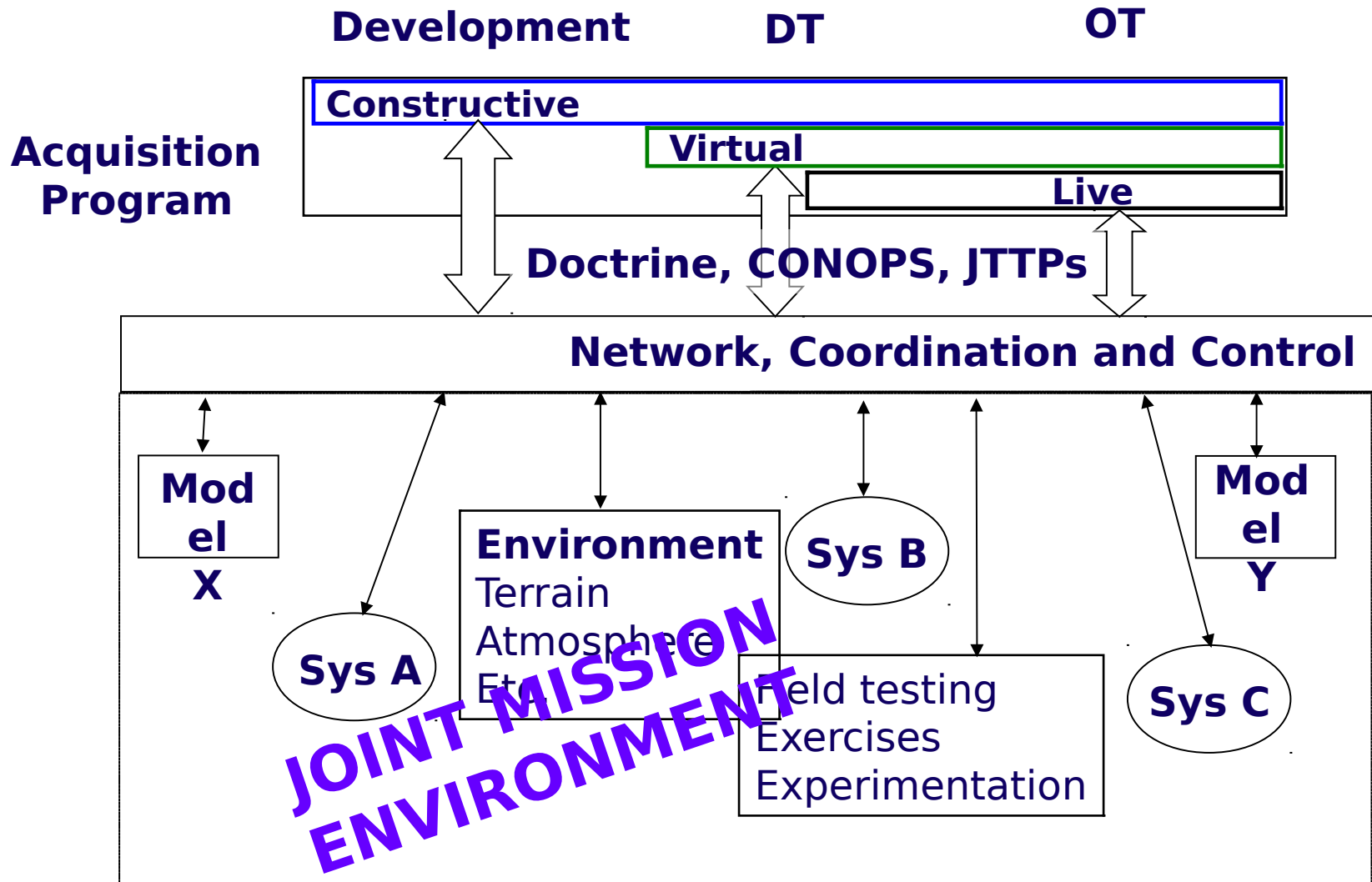
- **Goal**

- Adequate, realistic test and evaluation conducted in a joint environment appropriate to the maturity of the system involved
 - During development
 - Before full rate production
 - After fielding

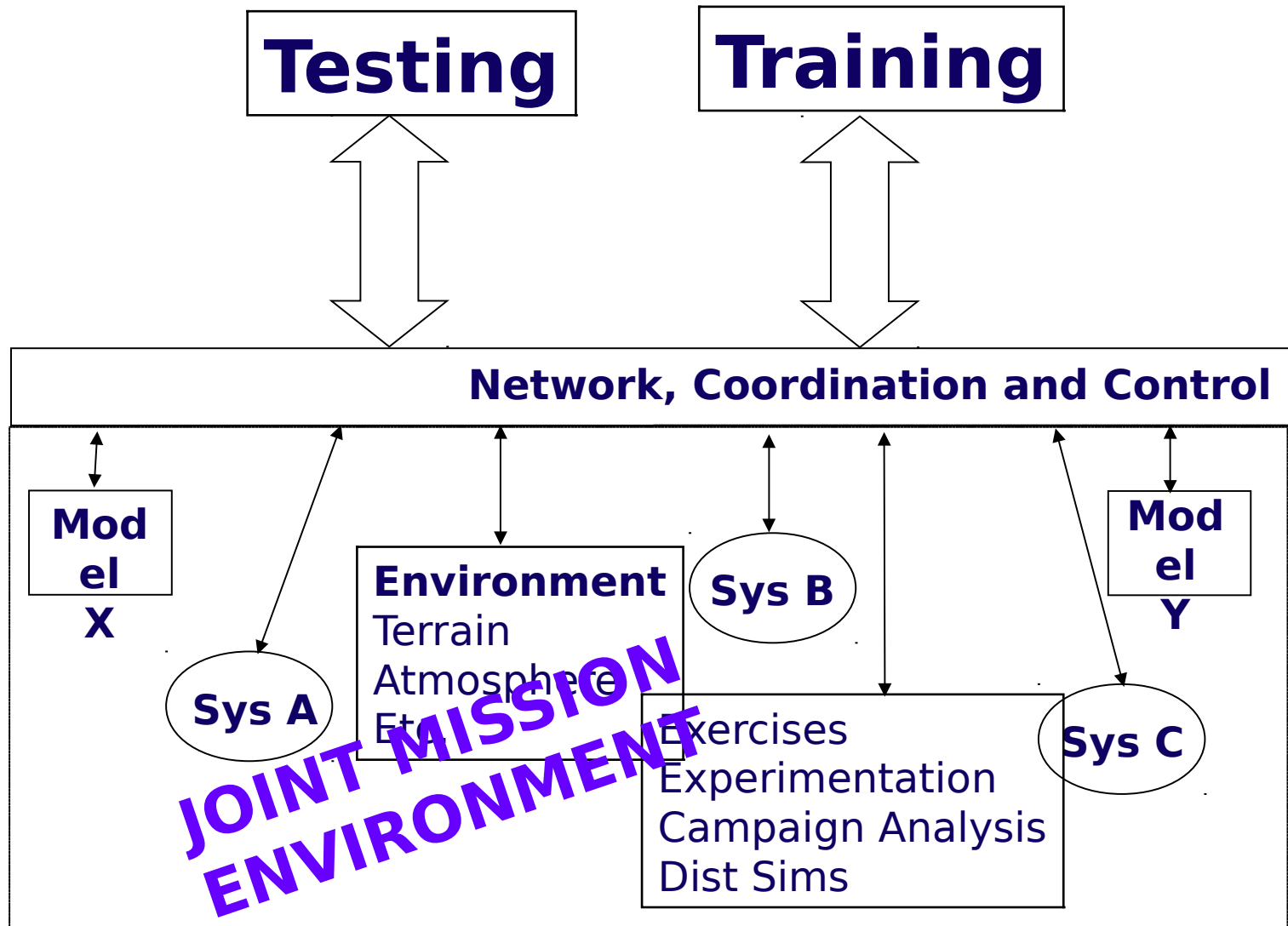
- **Scope**

- The joint environment is an appropriate mix of live, virtual, and constructive assets which represent documented joint mission tasks

Testing in a Joint Environment



Testing in a Joint Environment





Implementation



- **Planning for joint mission T&E will be in terms of joint mission requirements**
- **The Joint Mission Environment will leverage on JNTC and existing facilities (Virtual Warfare Center, Cyber Warfare Integration Center, Distributed Mission Operations Center, etc.)**
- **For acquisition programs, requirements for testing in a joint environment will depend on the interactions and interoperability the program will have with the other elements of the joint mission**
- **Initial requirements for Joint Mission Environment will be based on JCAS, JF and JCID Joint Tactical Tasks**



Roadmap Elements



- **Joint Mission Environment**
 - **Develop a T&E capability for testing in a joint environment**
- **Acquisition and Programs**
 - **Use of Joint Mission Environment by Acquisition Programs**
- **Process**
 - **Coordinating development and use of a joint mission environment**
- **Enabling Technology**
 - **Technical issues to be addressed**
- **Policy Issues**
 - **Areas where new or revised policy may be required**



Summary



- **New policies have a major impact on T&E**
 - Joint mission testing throughout acquisition
 - Shift OT&E focus from system performance to system employment in the joint battlespace
 - Broaden OT&E use of evaluation tools
 - ... without changing OT&E's Title 10 responsibility
- **Significant challenges remain**
 - Testing and training
 - Joint mission T&E capability development, operations, maintenance and scheduling
 - Early definition of joint doctrine and JTTPs
 - Compatible models and integrating architecture
 - M&S support
 - Etc.....

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